

## MODEL 800 FAQ

- Q. My 800 will open with the manual bleeder, but not electrically. I can hear the solenoid click, but the valve will not open. What is the cause?**
- A.** An enlarged inlet orifice is allowing water to enter the upper diaphragm chamber at a rate equal to or exceeding the rate at which water can leave the upper diaphragm chamber through the solenoid exhaust port. The solution is to replace the diaphragm assembly or replace the 800 adaptor.
- Q. I purchased a repair kit for an 800 but notice that the diaphragm appears different than the one in my valve. The one in the kit is flat whereas the one in my valve is cup shaped. Why is that?**
- A.** When new, the diaphragm is flat. It becomes cup shaped with use over time.
- Q. How can I tell the size of my model 800?**
- A.** If the 800 is mounted on an anti-siphon body, the size of the valve is shown on the hex-shaped anti-siphon cap.
- Q. Is there a troubleshooting guide for the model 800?**
- A.** Yes. It can be found on our website [www.bucknersuperior.com](http://www.bucknersuperior.com). Click on *Homeowners*, then click on *Adaptors*, then click on *800*. Scroll down the page and click on the *Troubleshooting* guide. The guide also includes instructions (with photos) on how to remove and install the adaptor from the anti-siphon body.
- Q. The bleed screw of my 800 is corroded so I bought a new bleed screw, but it will not screw into the opening. Is there a remedy for this?**
- A.** Yes. You can purchase a 5/16" X 24 tap from a hardware store and re-tap the opening. This will enable you to screw the new bleed screw into the opening. Instructions with photos for this procedure are included in the troubleshooting guide on our website (see previous FAQ).
- Q. I am using an 800 on my drip system. It opens but will not close when the solenoid is de-energized. Why?**
- A.** The minimum flow requirement for a ¾" or 1" 800 is 5 gallons per minute. If the flow rate is less than that, the valve will not close due to insufficient pressure loss. The recommended valve for drip systems with flow rates under 5 GPM is the model 850-DI which has no minimum flow requirement.
- Q. What is the purpose of the cross-handle at the top of the 800?**
- A.** The purpose is to set the correct amount of flow through the valve. To set optimum flow, turn the valve on electrically with the flow-control handle in the full open position (cross-handle turned all the way counter-clockwise). Next, turn the cross-handle clockwise, a half turn at a time, until coverage is affected (radius of water from sprinkler head decreases slightly). At that point, turn the cross-handle counter-clockwise one half turn. This is called the "balance point".
- Q. Which brands of anti-siphon bodies will accept the 800?**
- A.** The following brands of anti-siphon bodies will accept ¾" and 1" 800 adaptors: Superior, Champion, Orbit, Lawnlife, Aqualine, and Hydro-Rain. For sizes 1 ¼" through 2" sizes, only Champion angle bodies can be used with the model 800.
- Q. What is the maximum pressure at which an 800 will operate?**
- A.** The maximum operating pressure is 200 psi. For areas with pressure exceeding 200 psi, the model 800H can be used. The 800H will operate with pressure up to 300 psi.
- Q. Is there a latching solenoid available for the model 800 for use with a battery operated controller?**
- A.** Yes. The part number is 16305. This latching solenoid can be used with battery operated controllers that can supply a DC pulse between 12 VDC and 24 VDC.